

FIG. 1

DECIMAL	BINARY
0	000000
1	000001
2	000010
4	000100
5	000101
8	001000
9	001001
10	001010
16	010000
17	010001
18	010010
20	010100
21	010101
32	100000
33	100001
34	100010
36	100100
37	100101
40	101000
41	101001
42	101010

00000305 12101  
101214 5030800

FIG. 2

S(k)	0			1			2			3		
	D(k)	C(k)	S(k+1)	C(k)	S(k+1)	C(k)	C(k)	S(k+1)	C(k)	S(k+1)	C(k)	S(k+1)
0	0	1	000001	0	9	001001	0	33	100001	0	41	101001
1	1	1	000001	1	9	001001	1	33	100001	1	41	101001
2	2	17	010001	0	5	000101	0	17	010001	0	37	100101
3	3	17	010001	1	5	000101	1	17	010001	1	37	100101
4	4	18	010010	1	2	000010	1	18	010010	1	34	100010
5	5	18	010010	2	2	000010	2	18	010010	2	34	100010
6	6	18	010010	3	2	000010	3	18	010010	3	34	100010
7	7	21	010101	0	4	000100	1	36	100100	1	21	010101
8	8	21	010101	1	4	000100	2	36	100100	2	21	010101
9	9	20	010100	1	4	000100	3	36	100100	3	20	010100
10	10	20	010100	2	10	001010	1	42	101010	1	20	010100
11	11	20	010100	3	8	001000	1	40	101000	1	20	010100
12	12	0	000000	2	10	001010	2	42	101010	2	32	100000
13	13	0	000000	3	10	001010	3	42	101010	3	32	100000
14	14	16	010000	2	8	001000	2	40	101000	2	16	010000
15	15	16	010000	3	8	001000	3	40	101000	3	16	010000

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FIG. 3

S(k)		0				1				2				3			
D(k)		C(k)		S(k+1)		C(k)		S(k+1)		C(k)		S(k+1)		C(k)		S(k+1)	
0	1	000001	0	9	001001	0	33	100001	0	41	101001	0					
1	17	010001	1	5	000101	1	17	010001	1	37	100101	1					
2	18	010010	2	2	000010	2	18	010010	2	34	100010	2					
3	17	010001	0	5	000101	0	17	010001	0	37	100101	0					
4	18	010010	1	2	000010	1	18	010010	1	34	100010	1					
5	1	000001	1	9	001001	1	33	100001	1	41	101001	1					
6	18	010010	3	2	000010	3	18	010010	3	34	100010	3					
7	20	010100	1	4	000100	1	36	100100	1	20	010100	1					
8	21	010101	0	4	000100	2	36	100100	2	21	010101	0					
9	20	010100	2	4	000100	3	36	100100	3	20	010100	2					
10	21	010101	1	10	001010	1	42	101010	1	21	010101	1					
11	20	010100	3	8	001000	1	40	101000	1	20	010100	3					
12	16	010000	2	8	001000	2	40	101000	2	16	010000	2					
13	0	000000	3	10	001010	3	42	101010	3	32	100000	3					
14	16	010000	3	8	001000	3	40	101000	3	16	010000	3					
15	0	000000	2	10	001010	2	42	101010	2	32	100000	2					



FIG. 6

INPUT CODE WORD $D(k)$	CURRENT-TABLE SELECTION NUMBER $S(k)$	OUTPUT CODE WORD $C(k)$	NEXT-TABLE SELECTION NUMBER $S(k+1)$
4	0	18	1
5	1	2	2
6	2	18	3
7	3	21	0
8	0	21	1

FIG. 8

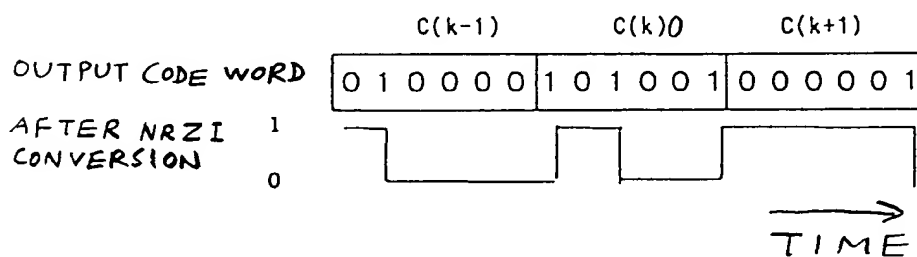
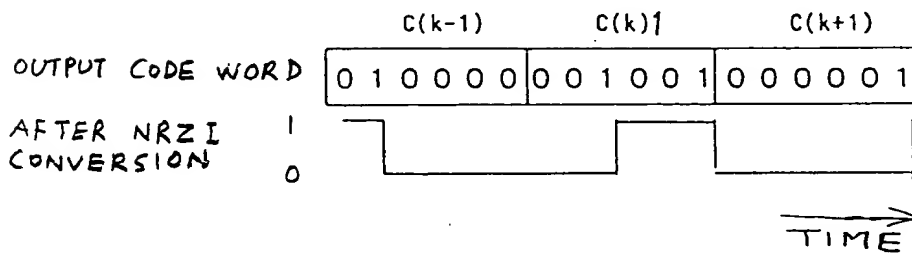


FIG. 9



00000000 11000000 11000000 11000000

FIG. 7

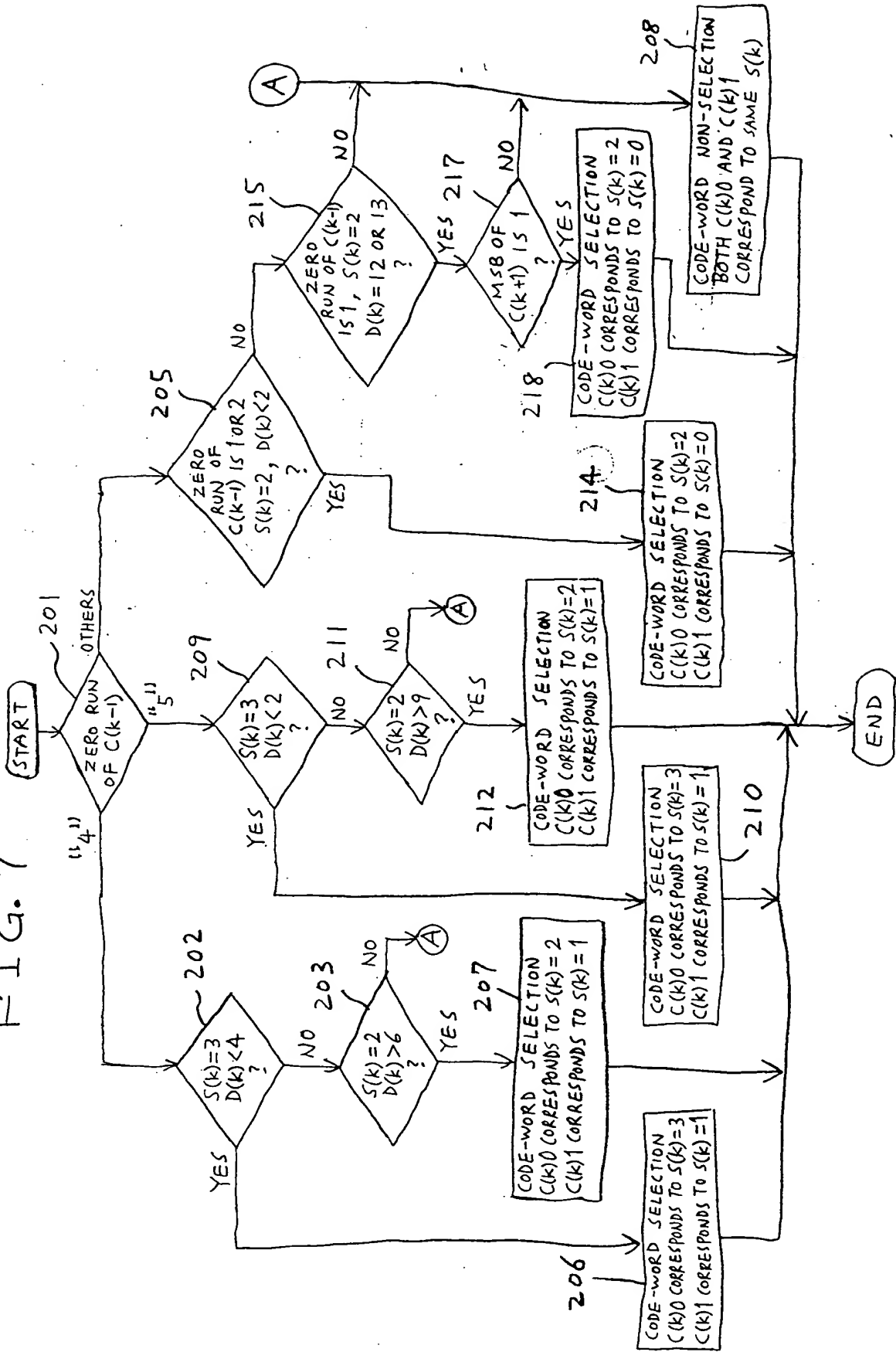


FIG. 10

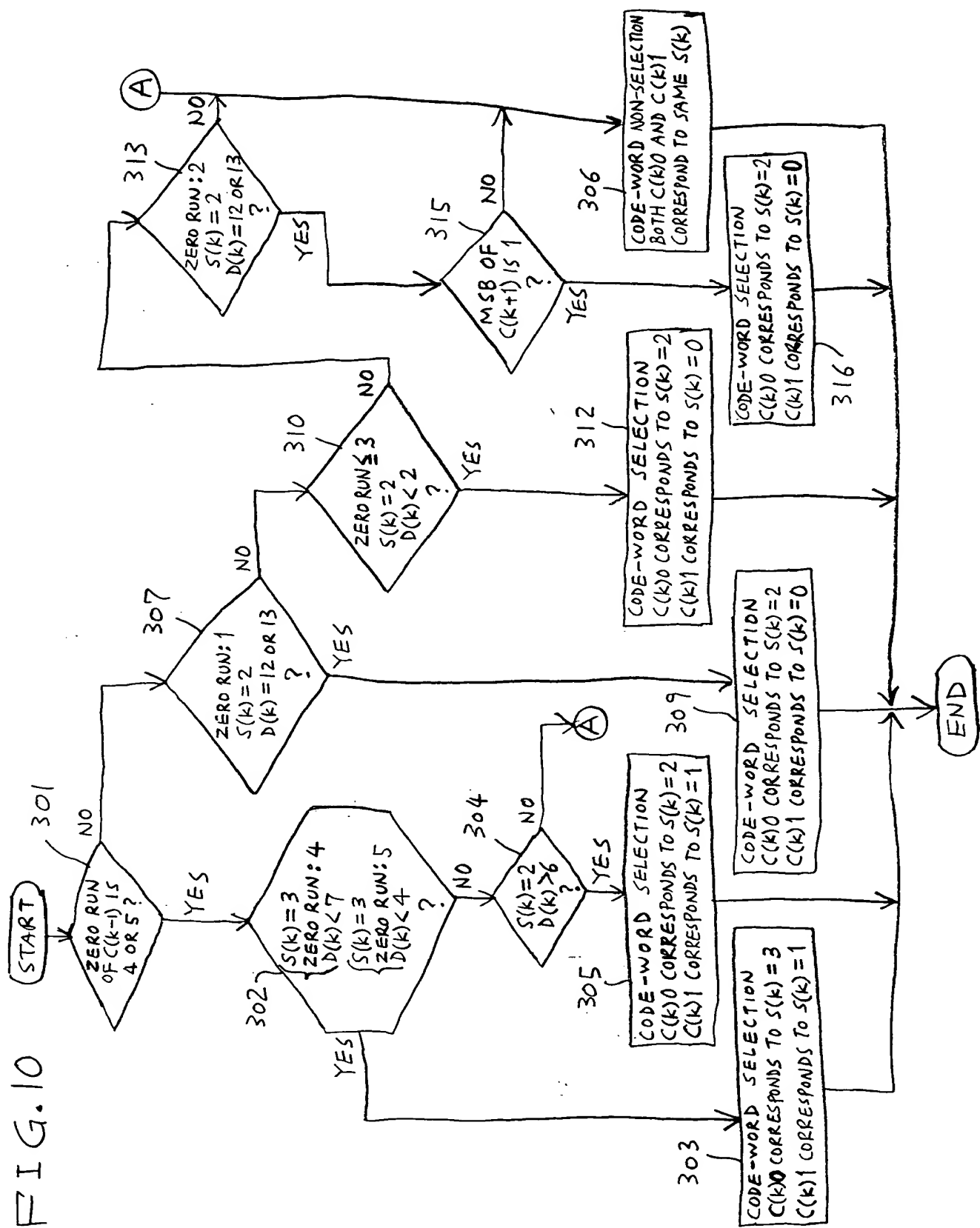
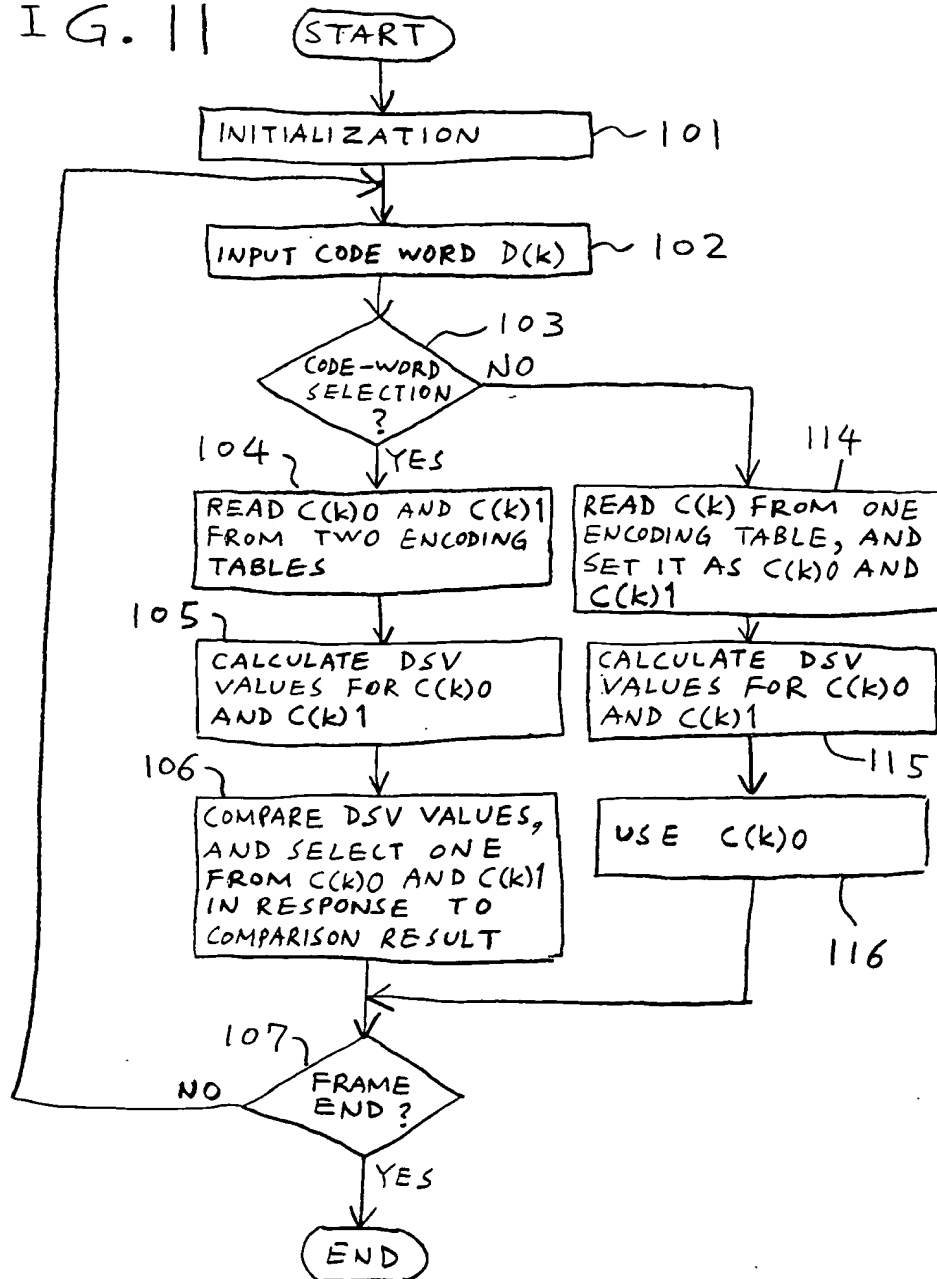


FIG. 11





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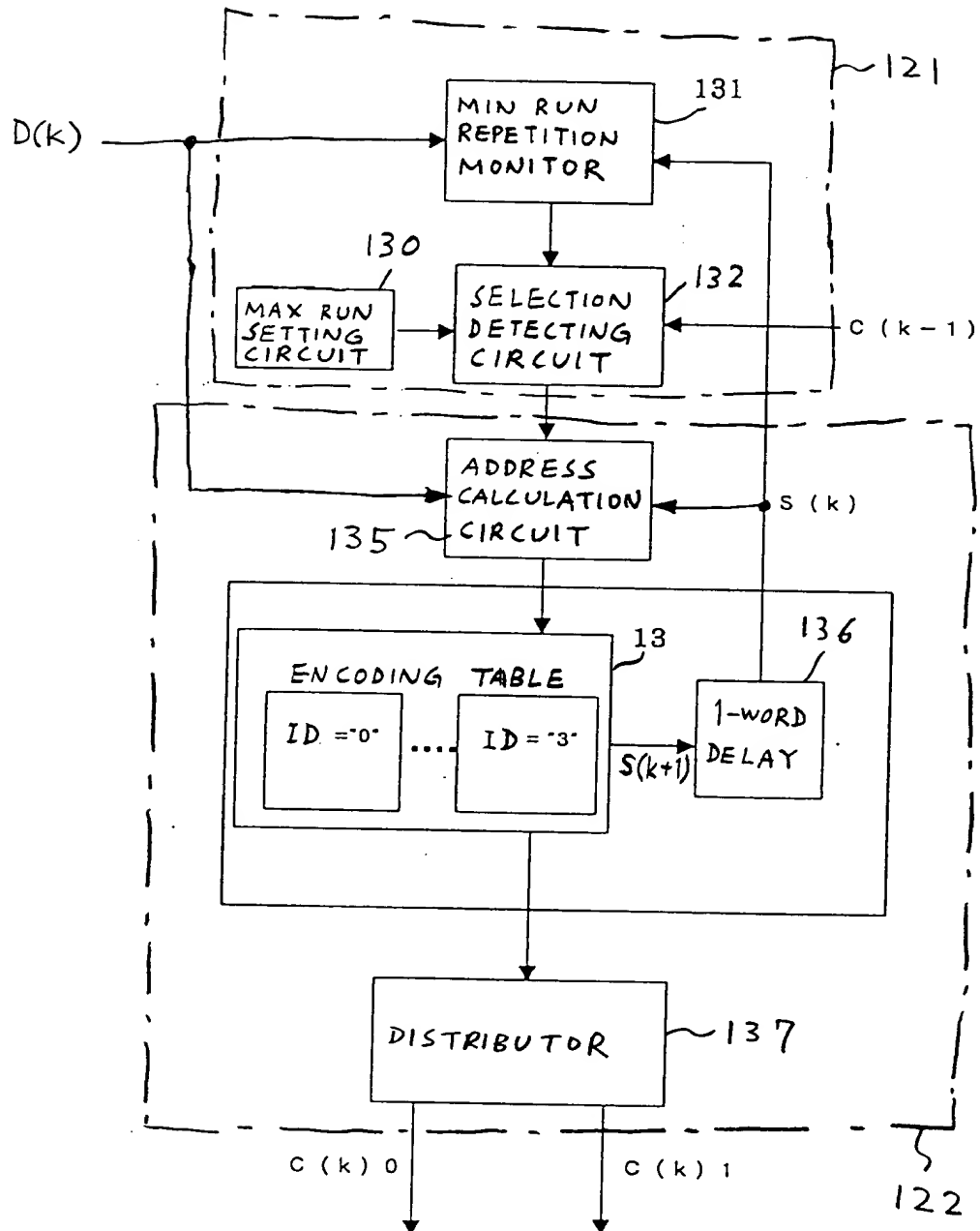


FIG. 13

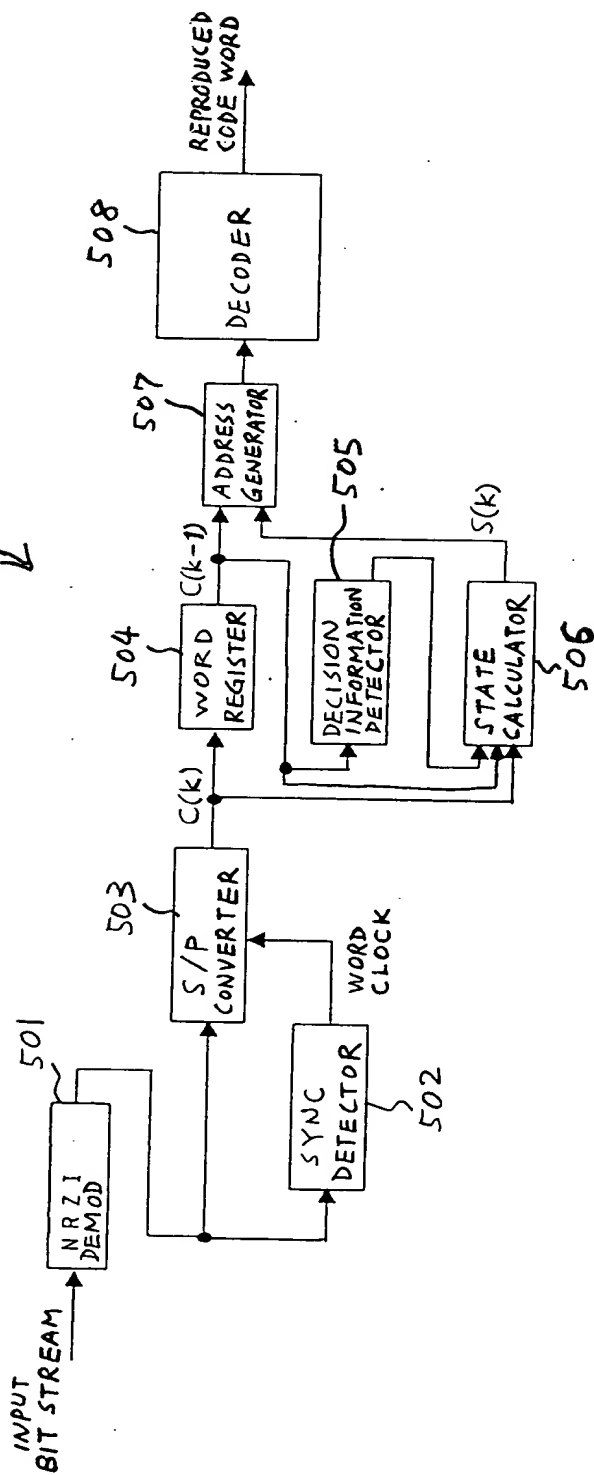


FIG. 14

C(k-1)		DECISION INFORMATION	D(k-1)			
DECIMAL	BINARY		S(k)=0	S(k)=1	S(k)=2	S(k)=3
0	000000	2	7	-	12	13
1	000001	0	0	1	-	-
2	000010	1	-	4	5	6
4	000100	1	-	7	8	9
5	000101	0	2	3	-	-
8	001000	1	-	11	14	15
9	001001	0	0	1	-	-
10	001010	1	-	10	12	13
16	010000	2	-	-	14	15
17	010001	0	2	3	-	-
18	010010	1	-	4	5	6
20	010100	1	-	9	10	11
21	010101	0	7	8	-	-
32	100000	2	-	-	12	13
33	100001	0	0	1	-	-
34	100010	1	-	4	5	6
37	100101	0	2	3	-	-
40	101000	1	-	11	14	15
41	101001	0	7	8	-	-
42	101010	1	-	10	12	13

FIG. 15

D(k)	C(k)	DECISION INFORMATION	S(k)
15	010000	2	3
0	001001	0	0
1	000001	0	1
2	000101	0	0
3	010001	0	-